Annexure-A

Request of proposal for Procurement of Installation for up-gradation of Audio-Visual arrangement in NAMS Conference Hall				
S. No.	Item	Compliance (Yes/No)	Deviation (Attach OEM Datasheet)	
A. SITC	of Upgradation of Audio-Visual Arrangement for Conference Hall			
1.	Supply Installation Testing and Commissioning of 4,500 Lumens Laser Projector (Qty - 1) (Indicate Make/Model			
2.	Supply Installation Testing and Commissioning of 8.69 ft. x 5.44 ft. Projection Screen (Qty - 1) (Indicate Make/Model): 123" Diagonally (16:10)			
3.	Supply Installation Testing and Commissioning of Dual Channel Wireless Handheld Microphone with Stand (Qty - 4) (Indicate Make/Model): Up to 12 compatible systems per frequency band (region dependent), Microprocessor-controlled internal antenna diversity, One-touch Quick Scan frequency selection quickly locates the best frequency, 1/4" and XLR audio outputs, two color audio status indicator LED, Operating Range: 300 ft (91 m) line of sight (actual range depends on RF signal absorption, reflection and interference), Audio Frequency Response: 50–15,000 Hz (dependent on microphone type), Transmitter RF Output Power: 10 mW, typical (varies by region), Audio Output Connector: XLR and 1/4" (6.35 mm) unbalanced, Maximum Output Level: -27 dBV (XLR, mic level), -13 dBV (1/4"), Dynamic Range: 100 dB A-weighted, System Distortion: 0.5% THD typical (ref. +/- 33 kHz deviation, 1 kHz tone)			
4.	Supply Installation Testing and Commissioning of 12x Zoom Full HD PTZ Camera (Qty – 1) (Indicate Make/Model			

5.	Supply Installation Testing and Commissioning of 200W 8-inch Two Way Wall Speaker (Qty - 2) (Indicate Make/Model	
): Frequency Range: 80- 27.7k Hz (-6 dB,	
	free field response), 60- 29.5k Hz (-10 dB, free field response),	
	Maximum Output: 119dB SPL continuous rms output (calculated),	
	125dB SPL peak output (calculated), Impedance: 8 ohms nominal, 5.5	
	minimum at 17.6k Hz, 64.2 maximum at 2.56k Hz, Power Rating: 400	
	watts rms (IEC 268-5, 8 hours, 50-20k Hz, 6dB crest factor),	
	Recommended Amp Power: 800 watts rms, Sensitivity: 93dB, 1 watt, 1-	
	meter, free field (4 pi), Nominal Coverage: 90° horizontal x 60° vertical	
	with waveguide as installed at factory, Directivity Index and Q-,	
	Frequency: 500 Hz-6.2(DI), 4.2 (Q), Frequency: 1k Hz-9.5(DI), 8.9 (Q),	
	Frequency: 2k Hz-11.0(DI), 12.6 (Q), Frequency: 4k Hz-9.5(DI), 8.9 (Q),	
	Frequency: 8k Hz- 8.5(DI), 7.1 (Q), Frequency: 16k Hz- 8.0(DI), 6.3 (Q),	
	Transformer-Taps (switch selectable) (70V): 25, 50, 100, and 200W,	
	Taps (switch selectable) (100V): 50, 100, and 200W, 8-ohm bypass	
	(70V/100V): Yes, Transducers- Low Frequency Driver: two 8-inch	
	(203mm) neodymium magnet low-frequency drivers, High Frequency	
	Driver: 1-inch throat compression high-frequency driver	
6.	Supply Installation Testing and Commissioning of Audio Digital	
	Signal Processor with Control Processor (Qty - 1) (Indicate	
	Make/Model): Type - Open Architecture	
	DSP, Mic/Line Inputs – 4, Line Outputs – 4, Dante Channels - 8x8,	
	Total Network Channels - 64x64, AEC Processors - 8, Network Protocols	
	- Dante, AES67 GPIO Ports - 8x8, USB Ports - Type A/B/C, USB for Soft	
	VC - Type B and C, USB Audio Channels - 8x8 Audio Players – 16, Audio	
	Recorders – 4, LAN - Dual ports, RS232 - 2 Nos, Phantom Power - +48	
	VDC A/D-D/A converters - 24-bit, Sample Rate - 48 kHz, Software based	
	Control – Yes, Mounting Accessories – Included	
7.	Supply Installation Testing and Commissioning of Pc (Qty - 1)	
	(Indicate Make/Model): i5/16GB/512GB	
	SSD/Win 10 with 18.5" Display Monitor	
8.	Supply Installation Testing and Commissioning of Control Software	
	(Qty - 1)	
9.	Supply Installation Testing and Commissioning of 15U Equipment	
	Rack (Qty - 1)	
10.	Supply Installation Testing and Commissioning of other supporting	
	equipment configuration with existing equipment/network	
11.	Supply Installation Testing and Commissioning of	
	Cable, Connectors & Accessories	
	Total Amount (Rs.)	
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Certifications to be supplied for following systems/sub-systems:

- 1. With Ser. A-1) 4,000 Lumens Ultra Short Throw Projector/4,500 Lumens Laser Projector:
 - a. OEM Authorization
 - b. Data Sheet
- 2. With Ser. A- 3) Dual Channel Wireless Handheld Microphone:
 - a. OEM Authorization
 - b. Data Sheet
- 3. With Ser. A-4) 12x Zoom Full HD PTZ Camera:
 - a. OEM Authorization
 - b. Data Sheet
- 4. With Ser. A-5) 200W 8-inch Two Way Wall Speaker:
 - a. OEM Authorization
 - b. Data Sheet
- 5. With Ser. A-6) Audio Digital Signal Processor with Control Processor:
 - a. OEM Authorization
 - b. EMC and RoHS Certification
 - c. Data Sheet
- 6. With Ser. B-1) Dual Channel Wireless Handheld Microphone:
 - a. OEM Authorization
 - b. Data Sheet
- 7. With Ser. B-2) 12x Zoom Full HD PTZ Camera:
 - a. OEM Authorization
 - b. Data Sheet
- 8. With Ser. B- 3) Dual HDMI to USB-C UVC Video Capture:
 - a. OEM Authorization
 - b. Technical Drawing
 - c. Data Sheet
- 9. With Ser. B-4) HDMI Tx/RX for PTZ Camera:
 - a. OEM Authorization
 - b. Technical Drawing
 - c. Data Sheet